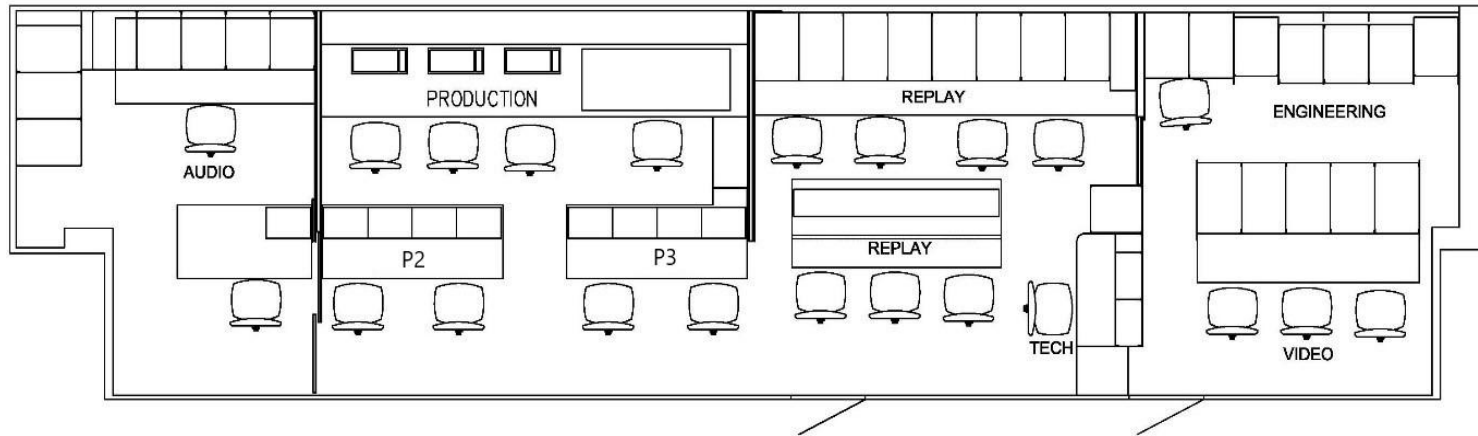


38FLEX & 38VMU Equipment Specifications

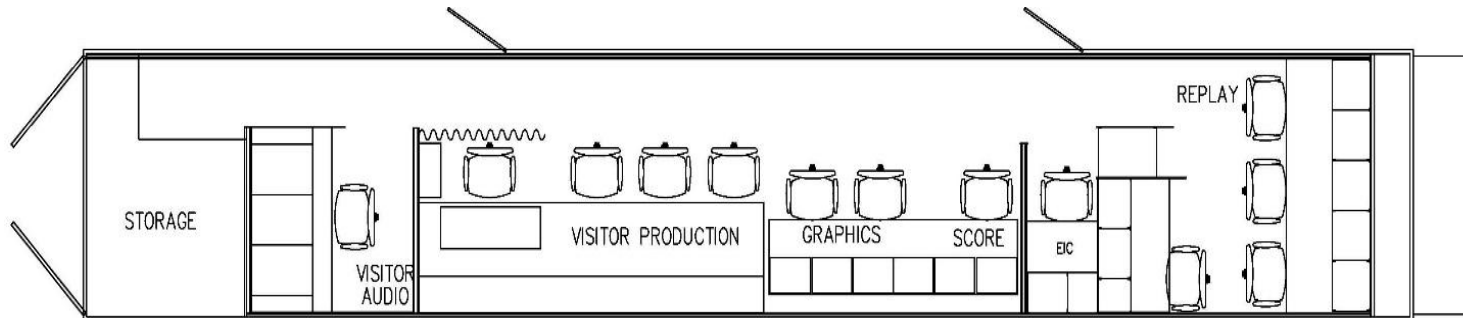
Unit A:

Length: 53' Height: 13'3" Width: 8'6" with ability to expand to: 14'



VMU-Unit B:

Length: 53' Height: 13'3" Width: 8'6"



38FLEX Equipment Specifications

Production

- Grass Valley HD/UHD Kayenne K-Frame switcher
- 7 M/Es, 96 inputs/48 outputs HD, 40 inputs/12 outputs UHD
- Internal Image Store
- 12 iDPMs, 2D DPMs, FlexiKey, DoubleTake
- 32 Chroma Keyers
- 4 Stripe (M/E) control panel
- Up to 105 images in production wall

Cameras/ Lenses & Support

- 7 Grass Valley LDX80 Premier 720p/1080i/1080p triax cameras
- 4 Grass Valley LDX86 universe super slow mo HD/3G/UHD fiber cameras (Upon request. Can be used as regular live cameras)
- Grass Valley LDK 8000 Elite Triax camera with Funjinon XA20x8.5 ENG lens with tripod (Booth)
- 4 Grass Valley 3G fiber converters (SHEDS)
- Canon UJ111x8.3 long lens
- Canon XJ100X9.3B long lens
- Canon XJ95x8.6 long lens
- 3 Canon XJ76x9 long lenses
- 3 Canon 72x9.3 long lenses
- 2 Fujinon HA18x5.5 ENG lenses
- 2 Canon XA17x7.6 ENG Lenses
- Four 2" color ENG VFs
- 2" B&W ENG VF
- 2 Studio Config Kits with LCD VFs
- 9 Grass Valley RefleX SuperExpander Sleds with 7" OLED VFs
- 9 Vinten Vector 75 heavy duty pan/tilt heads
- 9 Mathews MT1 heavy duty tripods
- 4 Miller Arrow X7 ENG tripod/pan/tilt heads
- 2 SD LPS clock cameras

Replay, Spotbox and Edit Systems

- Two 12 channel EVS XT4Ks full editing replay server with 16 channels of embedded audio
- Two 12 channel EVS XT3s full editing replay servers with 16 channels of embedded audio
 - 4 SSMO, 20 HD inputs/12 HD outputs when truck is running in SSMO mode
 - 2 XT3s can be split into 2 operator positions each with 4 inputs/2 outputs
 - EVSs must use DNxHD codec for SSMO mode
 - 32 HD inputs/16 HD outputs when truck is running in HD mode
 - 2 Positions uses LSM Connect (No VGA)
- 8 UHD inputs/4 UHD outputs when in UHD mode
- 4 Channel EVS XS server for Spotbox (2 channels per show during dual feeds)
- Codecs supported:
 - M-JPEG – User selectable bitrate 20-360Mbps
 - Avid DNxHD® (120/145Mbps)
 - Avid DNxHD® High Level (185/220Mbps, 8-bit and 10-bit)
 - VC-3 (SMPTE 2019-1; Avid-compatible) 100Mbps
 - Apple ProRes® 4:2:2 (120/145Mbps)
 - Apple ProRes® 4:2:2 HQ (185/220Mbps)
 - Apple ProRes® 4:2:2 LT (85/102Mbps)
 - MPEG-2 intra – User selectable bitrate 20-360Mbps
 - DVCPRO HD
 - AVC-Intra Class 100
 - XAVC-Intra Class 100
- Lance TDC-100 Disk Controller
- XFile3 with USB 3.0
- 3 Gbs SDTI network and 10 GigE
- Panasonic P2 Deck AG-HPD24P
- Up to 6 replay operator positions

Audio

- CALREC Artemis Beam Audio Mixer (56 fader) 256 routable inputs via MADI, 64 analog inputs
- RTW TM7 audio scope
- Audio Board can output multiple channels surround sound
 - Encoders for surround sound are the clients responsibility
- Enco Hotshot2 audio playout system
- Digicart II Plus with 250 Mb ZIP drive
- CD player
- 8 Sennheiser MKH 416 short shotgun mics
- 6 Sennheiser MKH 70 P48 long shotguns mics
- 11 Sennheiser MD 46 stick mics
- 10 Sony ECM77B lavaliers
- 4 Crown PCC-160 Cardioid Microphones
- 7 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes
- 6 Whirlwind MD-1 Mic/Line Drivers
- 4 Sound devices MP-1 line amps
- 6 DT12 Breakout Boxes
- 14 DT12 fanouts
- 6 Fotex portable speakers
- Fiber Booth Kit (Upon request)
- Parab dishes (Upon request)

Communications

- RTS ADAM Matrix System
- 16 Ports of OMNEO, 80 analog ports, 16 ports of RVON
- 12 Channels of IFB
- 12 Channels of PL
- 12 RTS 4030 IFB beltpacks
- 20 RTS BP325 headset boxes
- 4 Telos Hx2 Digital Telephone Interfaces
- 4 RTS TIFF 2000As
- 12 Line phone system
- 8 Two-Way Radios with 2 base stations

Graphics

- VizRT
- For-A Telestrator with HD touchscreen

Engineering & Misc

- 450x848 Evertz 3G EQX router
- 2,464x3,200 Evertz audio router
- Embedded audio, 8x13 MADI, 64 AES, 128x192 analog
- 15 Frame sync/cross converters with fiber inputs/outputs
 - 4 AJA FS-HDR, 1 AJA FS-4, and 10 AJA FS1-Xs, for a total of 30 paths
- 10 AJA utility cross converters
- TSI-4000 tally system with virtual tally
- 2 Lighting Kits

Outboard Monitors

- Sixteen 16" Outboard LCD video monitors
 - Capability to provide HD Program to booth (If fiber is available)

Cable

- 4150' Triax
 - Three 500', Six 250', Eight 100'
 - Two 6 line triax mult 175'
- 600' 10 Line video mult
 - Two 125', Four 75', One 50'
- 1050' TAC singlemode fiber
 - Three 150' TAC-12, Four 150' TAC-6
- 2100' SMPTE fiber
 - Six 250', Six 100'
- 2700' DT12
 - Six 250', Eight 150'
- 225' Three phase power cable
 - Set of 100', 75', and 50'
- Additional cable available if shipped separately

Power Required

- 208 VAC, three phase, 200 amps
 - Separate 200 amps of three phase 208 VAC may be required in high heat locations

38VMU Equipment Specifications

The following equipment is available to the Visitor Feed in addition to 38FLEX A Unit equipment. This trailer is fully networked to the A Unit with extensive fiber connectivity. All cameras and record trains are available to both trailers.

Production

- 3 Stripe switcher panel
- 3 M/Es assigned to visitor show
- Up to 58 images in production wall

Replay, Spotbox and Edit Systems

- XFile3 with USB 3.0
- 2 Channels of Spotbox from A Unit
- Lance TDC-100 Disk Controller
- Up to 3 EVS replay operator positions

Audio

- CALREC Brio 36 (36 fader)
 - 24 Mic/line inputs
 - 16 Analogue outputs
 - 8 AES3 digital inputs, 8 AES3 digital outputs
 - 8 GPI + 8 GPO
 - Loudness meters
 - Delay available on every path
 - Up to 96 legs assignable as mono, stereo, or 5.1 input channels
 - 36 legs assignable as mono, stereo or 5.1 mains or groups
 - 24 legs assignable as mono or stereo auxes
 - Up to 96 legs assignable as Insert sends and returns
 - Up to 96 legs assignable as Direct, or Mix-Minus Outputs
 - Every input channel and group path have expander/Gate/Ducker, with key input and sidechain EQ; a compressor with key input and sidechain EQ and multiband compressor
 - Every aux has expander/gate and compressor
 - Every main has a single band compressor and multiband compressor
- 50 Mono channels, 38 stereo channels
- 16 Mono aux, 4 stereo aux
- 10 Stereo groups with Dynamics & EQ, 6 stereo busses
- Enco Hotshot2 audio payout system
- Digicart II Plus with 250 Mb ZIP drive
- CD player
- 3 Sennheiser MD 46 stick mics
- 6 Sennheiser HMD sportscaster headsets
- 6 Daltech talkback boxes
- 2 Sound devices MP- line amps

Communications

- RTS Intercom System integrated with A Unit
- 8 Channels of IFB
- 6 RTS 4030 IFB beltpacks
- 6 RTS BP325 headset boxes
- 2 Telos Hx2 digital telephone interfaces
- 2 RTS TIFF 2000As from A Unit
- 2 Two-Way Radios with base station

Graphics

- VizRT (Upon request)
- For-A Telestrator with HD touchscreen (Upon request)

Engineering & Misc

- 2 Lighting Kits
- Grass Valley LDK 8000 Elite triax camera with Canon HJ17x7.6 ENG lens and tripod (Booth)

Outboard Monitors

- Four 16" Outboard LCD monitors
 - Capability to provide HD program to booth (If fiber is available)

Cable

- 900' DT12
 - Six 150'
- 225' Three phase power cable
 - Set of 100', 75', and 50'
- Additional cable available if shipped separately

Power Required

- 208 VAC, three phase, 150 amps